Abstract of the Disclosure

An improved hearing-r lated analysis programming system with a host computer for providing at least one hearing aid program and having at least one personal computer memory card international association (PCMCIA) defined port in combination with a PCMCIA Card inserted in the port and arranged for interacting with the host computer for controlling hearing-related analysis or programming of a hearing aid. The host computer provides power and ground to the PCMCIA Card and provides for downloading the hearing aid programming software to the PCMCIA Card upon initialization. A microprocessor on the PCMCIA Card executes hearing-related analysis or the programming software. A hearing aid interface for adjusting voltage levels and impedance levels is adapted for coupling signals to the hearing aid being programmed. Systems for performing hearing-related analysis include a portable audiometer system on a PCMCIA Card and operable with a portable host computer to analyze hearing of a patient, and a real-ear system on a PCMCIA Card and operable with a portable host computer to analyze output from a hearing aid in a patient's ear.